

### Abstract

The present invention provides natural rubber latex in which glucans being polysaccharides contained in the latex are decomposed by treating the natural rubber latex with an  $\alpha$ - and/or  $\beta$ -glucan decomposing enzyme such as amylase and cellulose and in which non-rubber components are subjected to suited enzyme treatment, and it provides natural rubber which is maintained in physical properties such as revelation of strain induced crystallization, an accelerating effect, an antioxidant effect and a vulcanization-accelerating effect and which is improved particularly in an abrasion resistance and a low hysteresis loss property, a production process for the same and a rubber composition and a tire using such natural rubber.